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1 Tools for composite web services: a short overview

Richard Hull, Jianwen Su

 June 2005 **SIGMOD Record**, Volume 34 Issue 2

Publisher: ACM

 Full text available: Pdf (449.55 KB) [Additional Information: full citation, abstract, referer terms](#)
Bibliometrics: Downloads (6 Weeks): 29, Downloads (12 Months): 347, Citat

Web services technologies enable flexible and dynamic interoperation of software and information systems. A central challenge is the developme techniques and tools for enabbling the (semi-)automatic composition and

2 Supporting the dynamic evolution of Web service protocols in service architectures

 Seung Hwan Ryu, Fabio Casati, Halvard Skogsrud, Boualem Benatallah, Ré April 2008 **Transactions on the Web (TWEB)**, Volume 2 Issue 2

Publisher: ACM [Request Permissions](#)

 Full text available: Pdf (6.83 MB) [Additional Information: full citation, abstract, referer terms](#)
Bibliometrics: Downloads (6 Weeks): 50, Downloads (12 Months): 646, Citat

In service-oriented architectures, everything is a service and everyone i provider. Web services (or simply services) are loosely coupled software are published, discovered, and invoked across the Web. As the use of W

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3 Access control enforcement for conversation-based web services

Massimo Mecella, Mourad Quzzani, Federica Paci, Elisa Bertino

 May 2006 **WWW '06: Proceedings of the 15th international conference on Publisher:** ACM


 Full text available: Pdf (357.06 KB) [Additional Information: full citation, abstract, referer terms](#)
Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 112, Citat

Service Oriented Computing is emerging as the main approach to build enterprise applications on the Web. The widespread use of Web services

the lack of adequate security and privacy support. In this paper, we pre

Keywords: access control, conversations, transition systems, web serv

4 Automatic web services composition in trustaware communities

 Fahima Cheikh, Giuseppe De Giacomo, Massimo Mecella

November 2006 **SWS '06**: Proceedings of the 3rd ACM workshop on Secure

Publisher: ACM  [Request Permissions](#)


Full text available:  Pdf (244.63 KB) **Additional Information:** [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 174, Citati

The promise of Web Service Computing is to utilize Web services as fund. for realizing distributed applications/solutions. In particular, when no av can satisfy client request, (parts of) available services can be composed

Keywords: access control, composition, trust, web services

5 Behavioral models as service descriptions

 Robert J. Hall, Andrea Zisman

November 2004 **ICSOC '04**: Proceedings of the 2nd international conference oriented computing

Publisher: ACM

Full text available:  Pdf (209.70 KB) **Additional Information:** [full citation](#), [abstract](#), [referer](#), [terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 70, Citation

Interface descriptions, while adequate for describing relatively simple or functionality, are too abstract to properly describe entities as complex a services or feature rich telecommunications services. The web services (

Keywords: behavioral model, executable specification, execution moni- discovery, validation

6 Ensuring required failure atomicity of composite Web services

 Sami Bhiri, Olivier Perrin, Claude Godart

May 2005 **WWW '05**: Proceedings of the 14th international conference on

Publisher: ACM


Full text available:  Pdf (1.18 MB) **Additional Information:** [full citation](#), [abstract](#), [referer](#), [terms](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 139, Citati

The recent evolution of Internet, driven by the Web services technology role of the Web from a support of information interaction to a middlewa interactions. Indeed, the Web services technology allows enterprises to (

Keywords: failure atomicity, reliable Web services compositions, transi

7 A service re-design methodology for multi-channel adaptation

-  M. Comerio, F. De Paoli, S. Grega, G. Batini, G. Di Francesco, A. Di Pasquali
November 2004 **ICSOC '04: Proceedings of the 2nd international conference on oriented computing**

Publisher: ACM

Full text available:  Pdf (632.66 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)


Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 69, Citation

Many available services have been designed for a single-channel world, typically. In a real world scenario, an ever-growing number of users take different kinds of communication channels and devices. In this paper, we

Keywords: context of use, location awareness, methodology, multi-channel qualities of services, service re-design

- 8 [A framework for managing the evolution of business protocols in web services](#)
Seung Hwan Ryu, Régis Saint-Paul, Boualem Benatallah, Fabio Casati
January 2007 **APCCM '07: Proceedings of the fourth Asia-Pacific conference on Conceptual modelling - Volume 67**, Volume 67

Publisher: Australian Computer Society, Inc.

Full text available:  Pdf (464.34 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 77, Citation

Web services are loosely coupled software components that are published and invoked across the Web. As the use of Web services grows, in order to interact with the growing services, it is important to understand the business


Keywords: business protocols, change impact analysis, evolution, ongoing web services

- 9 [ServiceMosaic project: modeling, analysis and management of web service interactions](#)

Boualem Benatallah, Hamid Reza Motahari-Nezhad

January 2006 **APCCM '06: Proceedings of the 3rd Asia-Pacific conference on Conceptual modelling - Volume 53**, Volume 53

Publisher: Australian Computer Society, Inc.


Full text available:  Pdf (194.65 KB) Additional Information: [full citation](#), [abstract](#), [referer](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 18, Citation

This paper provides an overview of ServiceMosaic, which is a platform for the analysis and management of service interactions. In particular, in this paper we present business protocols modelling and analysis by providing operators for composing

Keywords: adaptation, business protocols, compatibility, replaceability

- 10 [Tutorial: towards dynamic web services](#)

 Luciano Baresi, Sam Guinea

May 2006 **ICSE '06: Proceedings of the 28th international conference on Software engineering**

Publisher: ACM


Full text available:  Pdf (80.19 KB) Additional Information: [full citation](#), [abstract](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 92, Citations

This tutorial introduces *dynamic web services* as a solution to cope with and flexibility required by many modern software systems. Current tech WS-BPEL, etc.) have proven insufficient in addressing these issues; how

- 11 [Model-driven design and deployment of service-enabled web applications](#)
Ioana Manolescu, Marco Brambilla, Stefano Ceri, Sara Comai, Piero Fraternali
August 2005 **Transactions on Internet Technology (TOIT)**, Volume 5 Issue

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (3.07 MB) Additional Information: [full citation](#), [abstract](#), [reference](#), [terms](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 45, Downloads (12 Months): 382, Citations

Significant effort is currently invested in application integration, enabling processes of different companies to interact and form complex multiparty service standards, based on WSDL (Web Service Definition Language), I

Keywords: UML, Web application, Web services, WebML, modeling

- 12 [A framework for the server-side management of conversations with web services](#)
Liliana Ardissono, Davide Cardinò, Giovanna Petrone, Marino Segnan
May 2004 **WWW '04: Proceedings of the 13th international World Wide Web Conference on Alternate track papers & posters**

Publisher: ACM


Full text available:  Pdf (143.52 KB) Additional Information: [full citation](#), [abstract](#), [reference](#)


Bibliometrics: Downloads (6 Weeks): 13, Downloads (12 Months): 62, Citations

The emerging standards for the publication of Web Services are focused on specification of the static interfaces of the operations to be invoked, or on the composition. Few efforts have been made to specify the interaction between services ...

Keywords: service oriented architectures, tools and technologies for web service development

- 13 [An abductive framework for a-priori verification of web services](#)
Marco Aiberti, Marco Gavanelli, Evelina Lamma, Federico Chesani, Paola Montali
July 2006 **PPDP '06: Proceedings of the 8th ACM SIGPLAN symposium on Practice of declarative programming**

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (285.84 KB) Additional Information: [full citation](#), [abstract](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 45, Citations

Although stemming from very different research areas, Multi-Agent Systems and Service Oriented Computing (SOC) share common topics, problems and the common problem is the need to formally verify the conformance of

Keywords: abduction, choreographies, constraints, formal verification,

14 Methodological support for service-oriented design with ISDL

 Dick Quartel, Remco Dijkman, Marten van Sinderen

November 2004 **ICSOC '04: Proceedings of the 2nd international conference on oriented computing**

Publisher: ACM

Full text available:  Pdf (296.25 KB) Additional Information: [full citation](#), [abstract](#), [reference](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 110, Citations

Currently, service-oriented computing is mainly technology-driven. Most focus on the technology that enables enterprises to describe, publish an application services, and to communicate with applications of other enterprises according ...

Keywords: ISDL, service, service-oriented computing, service-oriented

15 Process modeling in Web applications

 Marco Brambilla, Stefano Ceri, Piero Fraternali, Ioana Manolescu

October 2006 **Transactions on Software Engineering and Methodology**
Volume 15 Issue 4

Publisher: ACM 

Full text available:  Pdf (1.17 MB) Additional Information: [full citation](#), [abstract](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 125, Downloads (12 Months): 1097, Citations

While Web applications evolve towards ubiquitous, enterprise-wide or information systems, they face new requirements, such as the capability to complex processes spanning multiple users and organizations, by interconnecting software ...

Keywords: Web applications, Web engineering, conceptual modeling, v

16 A theory of contracts for Web services

 Giuseppe Castagna, Nils Gesbert, Luca Padovani

June 2009 **Transactions on Programming Languages and Systems (TOPLAS)**
31 Issue 5

Publisher: ACM 

Full text available:  Pdf (494.37 KB) Additional Information: [full citation](#), [abstract](#), [reference](#)

Bibliometrics: Downloads (6 Weeks): 69, Downloads (12 Months): 157, Citations

Contracts are behavioral descriptions of Web services. We devise a theory that formalizes the compatibility of a client with a service, and the safe service with another service. The use of contracts statically ensures the

Keywords: Web services, CCS, concurrency theory, contracts, explicit communication, testing, subtyping, type theory

17 Flexible coordination of service interaction patterns

Christian Zircpins, Winfried Lamersdorff, Toby Baier

November 2004 **ICSOC '04**: Proceedings of the 2nd international conference on service-oriented computing

Publisher: ACM

Full text available:  Pdf (512.79 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 86, Citation

Service-oriented computing is meant to support loose relationships between organisations: Collaboration procedures on the application-level translate processes via Web Services. Service composition deals with the specific enforcement ...

Keywords: interaction- and coordination process patterns, rule-based process, service composition, service-oriented computing

18 Ontology support for web service processes

C. Pahl, M. Casey

September 2003 **ESEC/ FSE-11**: Proceedings of the 9th European software conference held jointly with 11th ACM SIGSOFT international Foundations of software engineering

Publisher: ACM 

Full text available:  Pdf (200.99 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 113, Citation

Web Services are software services that can be advertised by providers to customers using Web technologies. This concept is currently carried further by Web service choreography. Choreography refers to the composition of li

Keywords: ontologies, service choreography, web services

Also published in:

September 2003 **SIGSOFT Software Engineering Notes** Volume 28 Issue 5

19 Using Web Service Technologies to Create an Information Broker: A Report

Mark Turner, Fujun Zhu, Ioannis Kotsiopoulos, Michelle Russell, David Bud Bennett, Pearl Brereton, John Keane, Paul Layzell, Michael Rigby

May 2004 **I CSE '04**: Proceedings of the 26th International Conference on Software Engineering

Publisher: IEEE Computer Society

Full text available:  Pdf (305.99 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 104, Citation

This paper reports on our experiences with using the emerging web services and tools to create a demonstration information broker system as part of an information management in a distributed environment. To provide a real

20 Web service interfaces



Dirk Beyer, Arindam Chakrabarti, Thomas A. Henzinger

May 2005 **WWW '05**: Proceedings of the 14th international conference on
Publisher: ACM

Full text available: Pdf (263.28 KB) Additional Information: full citation, abstract, referer terms

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 270, Citations

We present a language for specifying web service interfaces. A web service interface specifies three kinds of constraints on the users of the service. First, the interface specifies the methods that can be called by a client, together with types of input ...

Keywords: Web service compatibility, Web service interfaces, Web service verification, Web services, formal specification, formal verification

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